

EasyIO Wi-Fi VAV Controller 8 points EasyIO-FW-8V



The EasyIO-FW-8V is a new breed, high performance, freely programmable, wireless Wi-Fi Sedona controller that includes a built-in pressure pick-up sensor for air flow measurement used in VAV applications. It has never been easier to extend your BMS because of its wireless possibilities. You will save on labor and wiring. The EasyIO-FW-8V is a perfect fit for vertical markets such as schools and retail, to have extended IO for the F-series controllers, without any downtime during installation as the network can be wireless. It's ideal for VAV and any applications, featuring SOX, TCOM, FG-P2P and BACnet communication protocols.

The EasyIO-FW-8V can be programmed and live commissioned/balanced via free CPT Tools and an integrated HMTL5 dashboard. It has a BACnet IP server, a BACnet MSTP client supporting up to four external BACnet server devices and two Ethernet ports for daisy chain connection wiring. Furthermore, it can also have the built-in Wi-Fi infrastructure connected at the same time as the Ethernet ports for network redundancy. Wired and wireless deployment is encouraged, so there is no need to worry about IT. The EasyIO-FW-8V includes 8 UI (voltage and resistance), 4 x AO (Voltage) and a pressure pick-up sensor. For floating control, the optional FR-02 module is available to add to the FW-8V.

Specification:

Power Supply	24VAC +/- 5% or 24V DC +20%/-15%
Consumption	500 mA
Operating temp	0 to 65 °C (32 to 150 °F)
Storage temp	-20 to 65 °C (-4 to 150 °F)
Operating humidity	10% to 70% relative humidity non-condensing
Dimensions	136 x 104 x 44 mm (L x W x H)
Material	UL Approved Plastic
Weight	350g

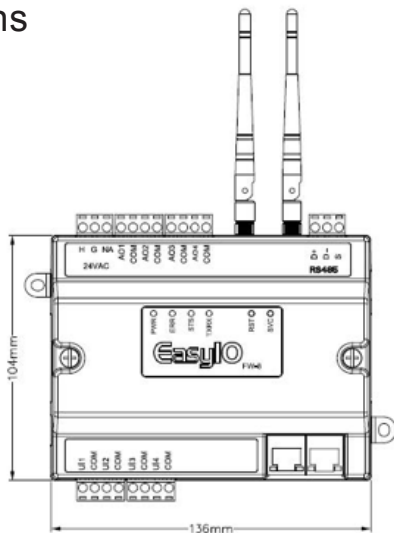
Inputs & Outputs:

Universal Input	4xUI 12-Bit ADC (with PGA) Voltage: 0 ~ 10V DC (+/- 0,05V) Resistance input: 500 ohms to 500K ohms (+/-10 Ohm) Thermistor Sensor: 10K, 10K Shunt, 1K Balco, 1K Platinum: All (+/- 0.1 °C) UI as DI: Voltage Free Contact
Analog Output	4xAO 12-Bit DAC Voltage: 0~10V, Min Impedance 1000 Ohm Operating range: 0~500 Pa 0.0 ~ 2.0 inches per water Data Update Rate: 50ms Span accuracy: 4.5% of reading
Differential Pressure Sensor	
Communication:	
Physical Interface 1 (Port 1)	EIA-485 Two-wire, Half Duplex
BACnet Baud Rate:	Speed: (9.6K, 19.2k, 38.4K, 76.8K), Data Bit: (8 bits), Parity: (None)
WiFi	WiFi (802.11b/g/n)
Ethernet	2 Ethernet Ports 10/100M
Ethernet/WiFi Support	IP, TCP, UDP, ICMP, HTTP, FTP
Application Support	Sedona, BACnet MSTP Client, BACnet IP Server and Tcom

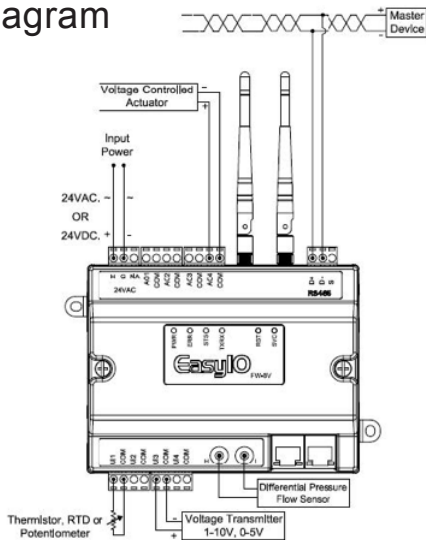
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Dimensions



Wiring Diagram



The FW-8V comes with one standard RS485 driver to support BACnet MSTP. The FW-8V also comes with two Ethernet Ports to program the Sedona Application, TCOM, FGP2P, BACnet and for web configurations.

The concept behind the FW series is that the FW-8V is a free programmable VAV controller that perfectly fits in a network of controllers or stand-alone because it has its own real-time clock. The available resources inside the controller are not limited to the 8 I/O so you will be surprised by its high power.

Features:

- First EasyIO controller based on WiFi Technology
- 4 UI
- 4 AO (voltage)
- 1 RS485
- 2 Ethernet 10/100 BaseT port
- Support Wifi 802.11 b/g/n
- Support Sedona VM
- Support SOX, TCOM, FGP2P
- BACnet MSTP Client (4 devices) and IP Server
- Differential Pressure Sensor
- VAV control libraries included
- Dashboard

